

**Table 3-21**  
**Evaluation of Process Options for**  
**Soil and Sediment – Non-Tidal Wetland Areas**  
**Investigation Area H1**  
**Mare Island, Vallejo, California**

General Response Action	Remedial Technology Type	Technology Process Options	Effectiveness	Implementability	Cost	Screening Results
Institutional controls	Use Restriction	Groundwater Use Restriction	Restricts use of groundwater underlying IA H1.	Can be readily implemented.	Low	Retained
	Alternate Water Supply	Alternate Water Supply	Provides alternate groundwater supply at IA H1 rather than using groundwater underlying the site.	Groundwater at the site is not potable.	Low	Eliminated
	Access Restriction	Fencing	Limits future exposure of human receptors to site contaminants. Does not reduce exposure of contaminants to ecological receptors.	Can be implemented.	Low	Retained
	Deed Restriction	Land Use Restriction	Restricts future use of site for designated purpose. Limits future exposure of human receptors to site contaminants. Does not reduce exposure of contaminants to ecological receptors.	Can be implemented.	Low	Retained
	Monitoring	Sediment Monitoring	Effective in monitoring changes in contaminant concentration in soil/sediment.	Can be implemented.	Low	Retained
Containment	Capping	Soil Cap	Prevents exposure of human and ecological receptors to site contaminants.	Can be readily implemented.	Medium	Retained

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Collection	Excavation	Soil/Sediment Excavation	Prevents human and ecological exposure to site contaminants.	Can be readily implemented.	Medium	Retained
Disposal	On-Site Disposal	On-Site Disposal	Transfers contaminations from one area to another. Used in combination for soil capping of IA H1 Landfill under the presumptive remedy.	Can be readily implemented.	Low	Retained
	Off-Site Disposal	Off-Site Disposal	Transfers contaminations from one area to another.	Implementable, requires handling and transportation of contaminated soil to an off-site location	High	Eliminated



The shading indicates the technology process option was eliminated from further consideration.